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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AU, BA, BB, BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG, TN, TT, UA, UZ, VN, YU, ZA, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

3/088972 A

(54) Title: NOVEL COMPOUNDS

(57) Abstract: Novel substituted 2, 4, 8-trisubstituted-8H-pyrido[2,3-d]pyrimidin-7-one compounds and compositions for use in therapy as CSBP/p38 kinase inhibitors.

INTERNATIONAL SEARCH REPORT

International application No.

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According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 514/258.1, 264.1; 544/279.					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAS ON-LINE, EAST					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where ap		Relevant to claim No.		
Х, Р	WO 02/059083 A2 (SMITHKLINE BEECHAM CORPORATION) 01 August 2002 (08.01.2002) see CASPLUS Accession No. 2002:575047, Document No. 137:140533, (c) 2003, ACS, Columbus, OH.		1-6		
A, P	US 6,498,163 B1 (BOSCHELLI et. al.) 24 December 2002 (24.12.2002).		1-6		
A	US 5,733,914 A (BLANKLEY et. al.) 31 March 1998 (31.03.1998).		1-6		
Further documents are listed in the continuation of Box C. See patent family annex.					
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is			
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in the			
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent			
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23 July 2003 (23.07.2003) Name and mailing address of the ISA/US Authorized officer					
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450		Mukund Shah Charles ford			
Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230		Telephone No. 703-308-1235	101		

Form PCT/ISA/210 (second sheet) (July 1998)



International application No.

PCT/US03/12127

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)			
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1. Claim Nos.: because they relate to subject matter not required	to be searched by this Authority, namely:		
Claim Nos.: because they relate to parts of the international apsuch an extent that no meaningful international sections.	plication that do not comply with the prescribed requirements to arch can be carried out, specifically:		
3. Claim Nos.: because they are dependent claims and are not dra 6.4(a).	afted in accordance with the second and third sentences of Rule		
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet			
searchable claims. 2. As all searchable claims could be searched withou payment of any additional fee.	paid by the applicant, this international search report covers all at effort justifying an additional fee, this Authority did not invite as were timely paid by the applicant, this international search re paid, specifically claims Nos.:		
is restricted to the invention first mentioned in the	accompanied by the applicant's protest.		

Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)



PCT/US03/12127

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid. Group I, claim(s) 1-6, drawn to compounds in claim 1, their compositions and methods of treatment. Group II, claim(s) 7, drawn to intermediates. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: A. Compounds of Group I have a core of a bicyclic system of 8H-pyrido[2,3-d]pyrimidin-7-one while those of Group II have a core of a monocyclic system of pyrimidine. B. Compounds of Group I have therapeutic value while those of Group II are used as intermediates, and do not share the same utility with those of Group I.

Form PCT/ISA/210 (second sheet) (July 1998)